

SERVICE BULLETIN

SERVICE BULLETIN NO: 57-001

REF NO: 182

MODIFICATION NO:

ATA CHAPTER: 57

FLIGHT CONTROLS - AILERONS CONFIGURATION OF MASS BALANCE WEIGHTS AND FLETTNER TABS

1. Planning Information

A. Effectivity

- (1) All PC-6 series aircraft up to and including MSN 939.
- (2) All ailerons Part Number 6106.10.xxx, 6106.0010.xxx, 6106.34.xxx, 6106.0034.xxx, 119.99.06.555 and 119.99.06.556 held as spare.

B. Concurrent Requirements

None

C. Reason

(1) Problem

It has come to the attention of PILATUS that the aileron configuration on certain aircraft is incorrect. In particular they do not comply with that specified in Service Bulletin (SB) 62B.

(2) Cause

Possible non-compliance with aircraft standard procedures. Counterfeit components that do not agree with the aircraft specification could have been manufactured and installed on aircraft.

(3) Solution

Do a check of the aileron/Flettner tab/mass balance unit configuration on aircraft and ailerons held as spare.

Install a placard on the ailerons (P/N: 6106.10.xxx and 6106.0010.xxx) to give a warning of the necessity of compliance with this SB.

D. Description

This Service Bulletin gives the instructions to do a one-time check of the aileron configuration and the installation of a placard.

Insert a Temporary Revision (TR) in the IPC (see attachment).

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E. Compliance

Mandatory.

Required within the next three calendar month after the effective date of this Service Bulletin, unless already accomplished.

F. Approval

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland as an Airworthiness Directive.

NOTE: PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

G. Manpower

	Total if placard necessary	Total without placard
Configuration check	1,0	1,0
Installation of Placard	0,5	
TOTAL MAN-HOURS	1.5	1,0

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Service Bulletin (SB) 62B, dated May 1967 (Attached).

L. Publications Affected

IPC, 57-61-01 Fig. 01.

M. Interchangeability of Parts

Interchangeable only as given in SB 62B.

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2. Material Information

A. Material - Price and Availability

Operators should send orders for Service Bulletin modification kits, to:

PILATUS AIRCRAFT LTD,
CUSTOMER LIAISON MANAGER,
CH 6371 STANS, Tel: +41 41 619 6580
SWITZERLAND Fax: +41 41 610 33 51

NOTE: Operators are requested to advise Pilatus Aircraft Ltd. of the Manufacturer's Serial Number (MSN), the flying hours and landings of aircraft which are allocated for this Service Bulletin using the Service Bulletin Evaluation Form.

Modification Kit Number	Price	Availability
500.50.06.117	Contact address above	Contact address above

B. Material Necessary for Each Aircraft

(1) Material to be Purchased


Modification Kit No. 500.50.06.117 consists of these parts:

New Part No.	Description	Old Part No.	Qty	Disp. Code	Fig	Item
110.71.06.343	Placard	N/A	2	N/A	N/A	N/A

Disposition Codes: D - Discard / R - Return to Pilatus

(2) Operator Supplied Materials

Part No.	Description	Qty	Remarks
910.21.61.015	MEK	A/R	Item No. P01-010


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3. Accomplishment Instructions - Aircraft

It is the Operators and/or Owners responsibility to make sure that all components installed on their aircraft agree with the Aircraft Type Design. If not sure, contact PILATUS for advice.

Counterfeit or non-PILATUS approved items installed on the PC-6 invalidate all responsibilities of PILATUS, the Design Authority and could cancel the airworthiness of the applicable aircraft.

A. Configuration Check

- (1) Do a check of the Part Numbers of the ailerons, Flettner tabs and mass balance weights installed on each aircraft. Record the Part Numbers.
- (2) Compare each aileron assembly configuration against that specified in SB 62B, issued by PILATUS in May 1967.

NOTE: Since SB 62B was embodied, ailerons P/N: 119.99.06.555 and 119.99.06.556 have been manufactured. These P/Ns are equivalent to 6106.34.xxx and 6106.0034.xxx.

- (a) If the aileron assemblies agree with that specified in SB 62B and/or the NOTE above, do Para. B (Installation of Placard).
 - (b) If the aileron configuration does not agree with that specified in SB 62B and/or the NOTE above, do not fly the aircraft until you have corrected the configuration.
- (3) If the Part numbers are missing or Operators can not be sure of the Part Numbers, Operators must make sure of the build standard before operation of the aircraft.

B. Installation of placard

This procedure is applicable only to ailerons P/N: 6106.10.xxx and 6106.0010.xxx.

- (1) Use MEK (Item No. P01-010) to clean an area adjacent to the mass balance weight attachment holes.
- (2) Obey the manufacturers instructions and bond the placard (P/N: 110.71.06.343) on each aileron adjacent to the balance weight installation positions.

C. Documentation

- (1) Make an entry in the Aircraft Logbook that this Service Bulletin has been incorporated.

4. Accomplishment Instructions - Spares

A. Configuration Check

This procedure is necessary on aileron assemblies only. The check is not necessary if the aileron has no tabs or balance weights installed.

- (1) Do a check of the Part Numbers of the ailerons, Flettner tabs and mass balance weight assemblies held as spare. Record the Part Numbers.
- (2) Compare the aileron configuration against that specified in SB 62B.

NOTE: Since SB 62B was embodied, ailerons P/N: 119.99.06.555 and 119.99.06.556 have been manufactured. These P/Ns are equivalent to 6106.34.xxx and 6106.0034.xxx.

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- (a) If the aileron assemblies agree with that specified in SB 62B and/or the NOTE above, do Para. B. Installation of Placard and Para. C Documentation.
- (b) If the aileron configuration does not agree with that specified in SB 62B and/or the NOTE above, do not install the aileron until you have corrected the configuration.
- (3) If the Part numbers are missing or Operators can not be sure of the Part Numbers, Operators must make sure of the build standard before installation on an aircraft.

B. Installation of placard

This procedure is applicable only to ailerons P/N: 6106.10.xxx and 6106.0010.xxx with or without balance weights or Flettner tabs.

- (1) Use MEK (Item No. P01-010) to clean an area adjacent to the mass balance weight attachment holes.
- (2) Obey the manufacturers instructions and bond the placard (P/N: 110.71.06.343) to each applicable aileron.

C. Documentation

- (1) Make an entry in the spare parts inventory list that this SB has been incorporated.

5. Revision of IPC

- A. Insert the attached TR 57-01 in the IPC.